

# OBSTRUCTION DATA SHEET

ODS 6094  
NUT TREE AIRPORT  
VACAVILLE, CALIFORNIA

DIGITIZED FROM

OC 6094  
SURVEYED DECEMBER 1992  
1ST EDITION

HORIZONTAL DATUM NAD 83  
VERTICAL DATUM NGVD 29



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## OBSTRUCTION DATA SHEET

The Obstruction Data Sheet (ODS) provides digital obstruction and runway data for use in aircraft arrival and departure planning. This information has been obtained using field survey and photogrammetric methods by the Photogrammetry Branch of the National Ocean Service in accordance with Federal Aviation Regulations Part 77 (FAR-77), "Objects Affecting Navigable Airspace" and FAA No. 405, "Specifications - Airport Obstruction Chart and Related Products".

The ODS is a derivative of the Airport Obstruction Chart (OC). The source OC is indicated on the ODS cover. All objects, both obstructing and nonobstructing, that carry an elevation on the OC are listed in the ODS. The ODS and the OC depict a representation of objects that existed at the time of the OC field survey.

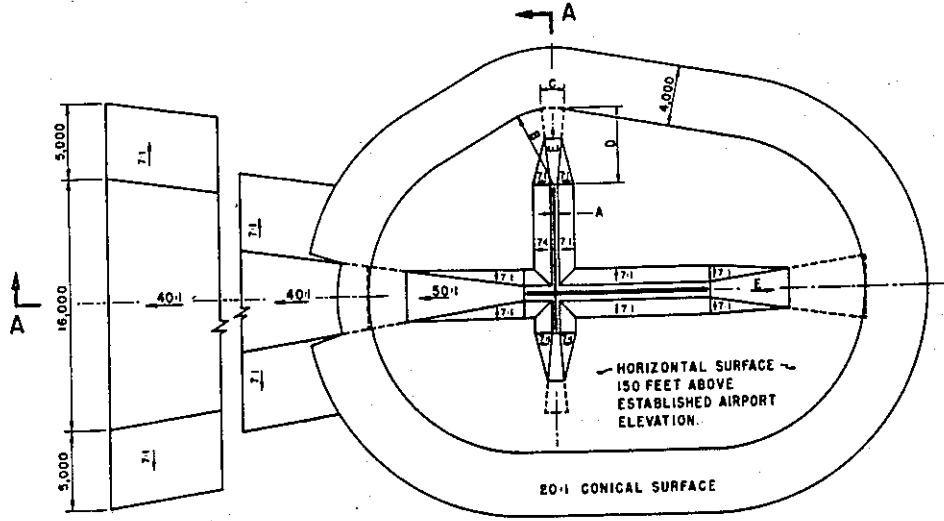
ODS information is arranged as follows:

1. Objects located in an FAR-77 approach or primary and listed with the associated runway (reference runway).
2. All objects not included in "1" above are listed with the Airport Reference Point (ARP).
3. Runway configuration and runway lengths, widths, and elevations are presented on the ODS last page.

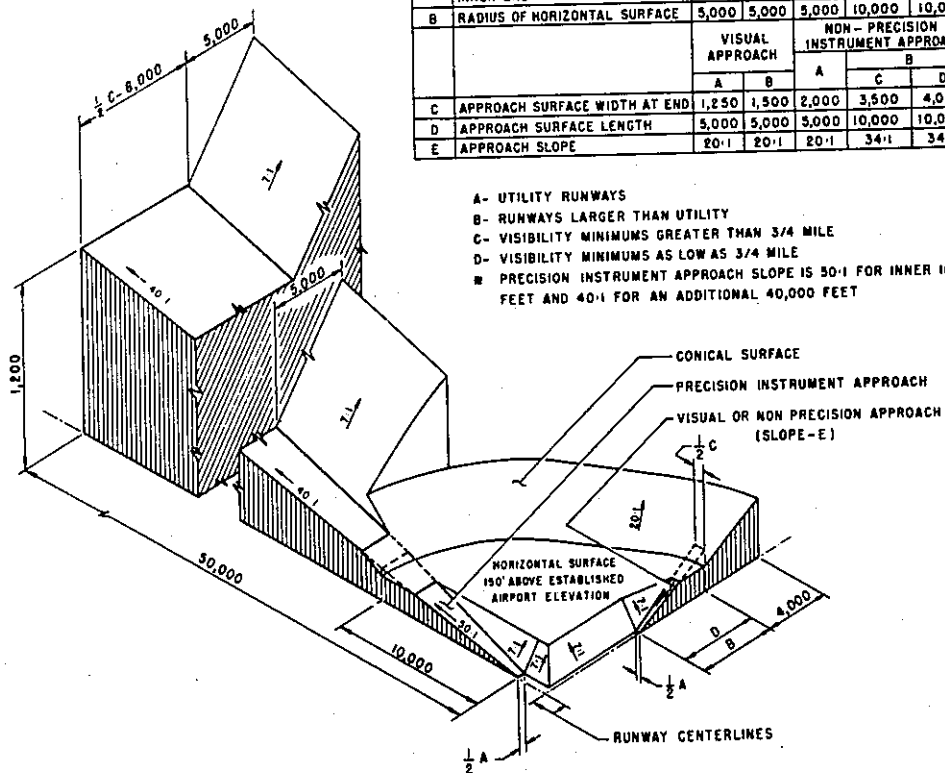
The FAR-77 imaginary approach surfaces for which the obstruction surveys were performed are coded in the ODS as follows:

- A(V) .... Utility runway - visual approach only
- A(NP) ... Utility runway - nonprecision instrument approach
- B(V) ..... Nonutility runway - visual approach only
- C ..... Nonutility runway - nonprecision instrument approach with visibility minimums greater than 3/4 mile
- D ..... Nonutility runway - nonprecision instrument approach with visibility minimums as low as 3/4 mile
- PIR ..... Precision instrument runway
- SUPLC . Supplemental C underlying a B(V)

FAR-77 imaginary surface dimensions are defined on page 2 of this report.



DIM	ITEM	DIMENSIONAL STANDARDS (FEET)					
		VISUAL RUNWAY		NON-PRECISION INSTRUMENT RUNWAY			PRECISION INSTRUMENT RUNWAY
		A	B	A	B		
A	WIDTH OF PRIMARY SURFACE AND APPROACH SURFACE WIDTH AT INNER END	250	500	500	500	1,000	1,000
B	RADIUS OF HORIZONTAL SURFACE	5,000	5,000	5,000	10,000	10,000	10,000
		VISUAL APPROACH		NON-PRECISION INSTRUMENT APPROACH			PRECISION INSTRUMENT APPROACH
		A	B	A	B		
C	APPROACH SURFACE WIDTH AT END	1,250	1,500	2,000	3,500	4,000	16,000
D	APPROACH SURFACE LENGTH	5,000	5,000	5,000	10,000	10,000	•
E	APPROACH SLOPE	20:1	20:1	20:1	34:1	34:1	•



- A- UTILITY RUNWAYS
- B- RUNWAYS LARGER THAN UTILITY
- C- VISIBILITY MINIMUMS GREATER THAN 3/4 MILE
- D- VISIBILITY MINIMUMS AS LOW AS 3/4 MILE
- E- PRECISION INSTRUMENT APPROACH SLOPE IS 50:1 FOR INNER 10,000 FEET AND 40:1 FOR AN ADDITIONAL 40,000 FEET

ISOMETRIC VIEW OF SECTION A-A

FAR-77 CIVIL AIRPORT  
IMAGINARY SURFACES

# ANNOTATION OF ODS DATA FORMAT

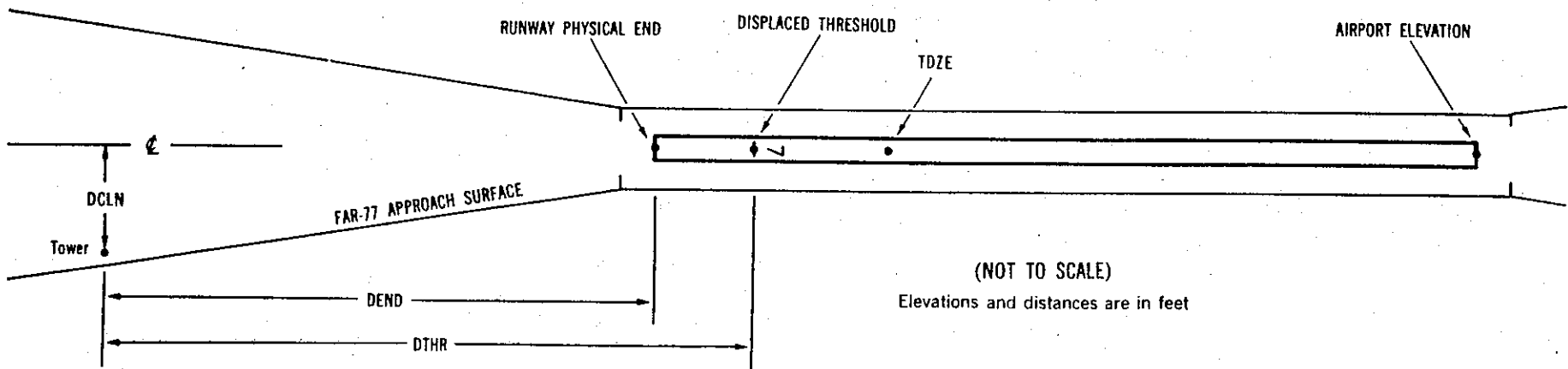
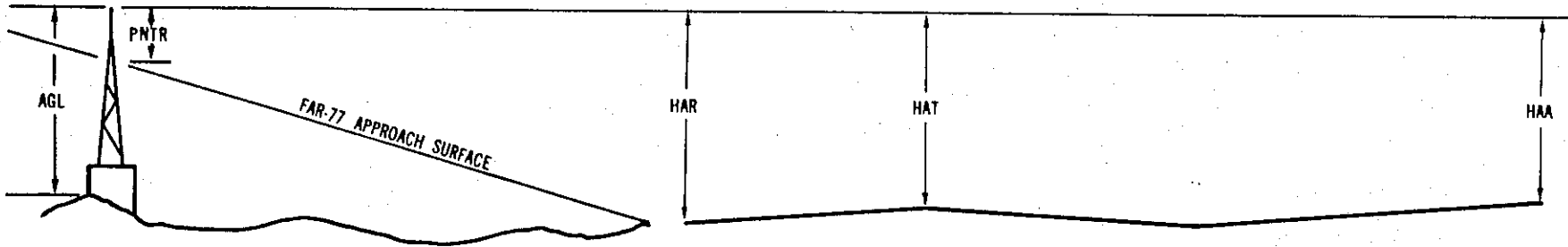
OC XXXX

AIRPORT ELEVATION XXXX

x<sup>1</sup> x<sup>2</sup> XXXX/XXXX<sup>3</sup> XXXXXX.XXX<sup>4</sup> XXXXXXXX.XXX<sup>4</sup> XXXXXXXX<sup>5</sup> XXXX/XXXX<sup>6</sup> XXXXXX.XXX<sup>7</sup> XXXXXXXX.XXX<sup>7</sup>

OBJECT	LAT	LONG	A <sup>8</sup>	ELEV <sup>9</sup>	AGL <sup>10</sup>	HAR <sup>11</sup>	HAT <sup>11</sup>	HAA <sup>11</sup>	DEND <sup>12</sup>	DTHR <sup>12</sup>	DCLN <sup>12</sup>	PNTR <sup>13</sup>
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX
XXXXXXXXXXXX	XXXXXX.XXX	XXXXXXXX.XXX	XX	XXXX	XXXX	XXX	XXX	XXX	XXXXX	XXXXX	XXXX	XXXX

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## EXPLANATION OF FOOTNOTES

- 1 Data block identifier. If a runway number is entered (reference runway), this data block will contain data pertinent to the reference runway and to objects in the FAR-77 approach and primary areas of the reference runway. If ARP is entered, this data block will contain the ARP position and data relative to all objects not in an FAR-77 approach or primary area.
- 2 For the reference runway, the lowest FAR-77 approach surface for which an obstruction survey was performed. (More than one surface may be surveyed).
- 3 Elevation at approach end of reference runway/touchdown zone elevation
- 4 Latitude and longitude at approach end of reference runway
- 5 Geodetic azimuth of reference runway reckoned from north
- 6 Elevation at reference runway displaced threshold/touchdown zone elevation
- 7 Latitude and longitude at reference runway displaced threshold
- 8 Accuracy codes:
- | Horizontal (Ft.) | Vertical (Ft.) |
|------------------|----------------|
| 1 = 20           | A = 2          |
| 2 = 40           | B = 5          |
|                  | C = 20         |
- 9 Elevation above mean sea level (MSL) at top of object. This value includes 15 feet added to noninterstate roads, 17 feet added to interstate roads, and 23 feet added to railroad tracks.
- 10 Height above ground level (AGL). AGL's are provided only for manmade objects appearing on the OC and equal to or greater than 200 feet AGL. AGL accuracy is 10 feet.
- 11 HAA - Height above airport  
 HAR - Height above approach end of reference runway  
 HAT - Height above reference runway touchdown zone elevation
- 12 DEND - Distance along reference runway centerline from point nearest to object (perpendicular) to approach end of runway  
 DTHR - Distance along reference runway centerline from point nearest to object (perpendicular) to displaced threshold  
 DCLN - Distance left (L) or right (R) of reference runway centerline as observed facing forward in a landing aircraft
- A negative value for DEND or DTHR indicates that object is in primary on roll-out side of zero distance point.
- 13 PNTR - Penetration of indicated FAR-77 approach or primary surface (See footnote 2).

OC6094

AIRPORT ELEVATION 114

2 AV 113/ 114 382220.689 -1215758.092 334447.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
POLE AT WSK	382254.22	-1215732.81	1A	141		28	27	27	-3954		211L	27
GROUND	382249.11	-1215736.62	1A	119		6	5	5	-3354		176L	5
TREE	382243.32	-1215741.30	1A	151		38	37	37	-2657		161L	37
TREE	382238.17	-1215745.65	1A	152		39	38	38	-2028		159L	38
WSK	382221.54	-1215759.89	1A	127		14	13	13	8		167L	14
FENCE	382220.20	-1215801.57	1A	122		9	8	8	196		204L	9

20 ANP 114/ 114 382251.922 -1215731.583 2134504.

OBJECT	LAT	LONG	A	EL	AGL	HAR	HAT	HAA	DEND	DTHR	DCLN	PNTR
FENCE	382220.20	-1215801.57	1A	122		8	8	8	-4011		204R	9
WSK	382221.54	-1215759.89	1A	127		13	13	13	-3823		167R	14
TREE	382238.17	-1215745.65	1A	152		38	38	38	-1786		159R	38
TREE	382243.32	-1215741.30	1A	151		37	37	37	-1158		161R	37
GROUND	382249.11	-1215736.62	1A	119		5	5	5	-461		176R	5
POLE AT WSK	382254.22	-1215732.81	1A	141		27	27	27	140		211R	27

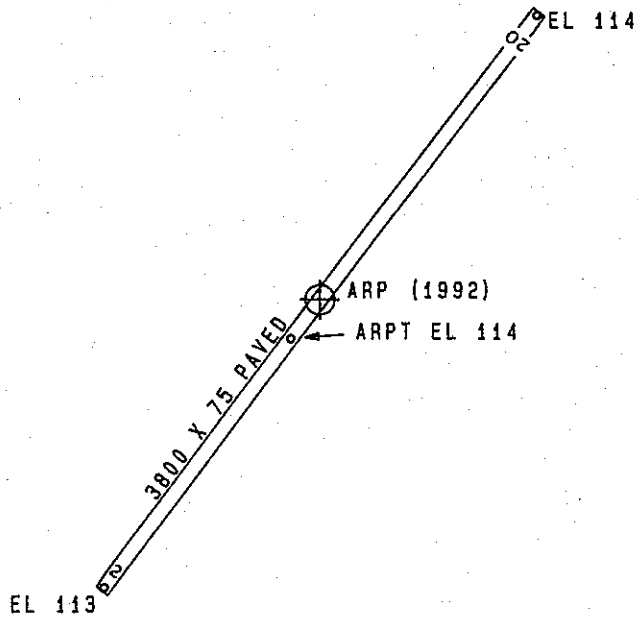
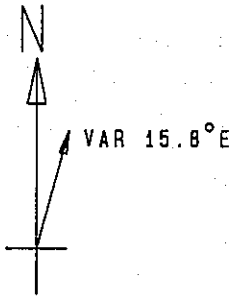
OC6094

AIRPORT ELEVATION 114

ARP 382236.306 -1215744.838

OBJECT	LAT	LONG	A	EL	AGL	HAA	MAG BEARING	DISTANCE
OL ON POLE	382237.71	-1215749.01	1A	239		125	27723	363
TREE	382240.14	-1215747.76	1A	212		98	31313	454
WTEE	382232.75	-1215751.83	1A	121		7	22120	666
LT ON POLE	382230.01	-1215736.41	1A	211		97	11740	929
OL ON POLE	382244.13	-1215731.91	1A	236		122	3638	1303
TREE	382244.02	-1215728.35	1A	207		93	4329	1533
OL ON POLE	382221.96	-1215751.91	1A	234		120	18524	1563
APBN	382227.22	-1215728.36	1A	158		44	10912	1608
TREE	382220.58	-1215750.73	1A	242		128	18037	1665
OL ON POLE	382216.60	-1215754.01	1A	236		122	18419	2131
OL ON POLE	382211.89	-1215758.98	1A	238		124	18842	2725
TREE	382207.67	-1215802.38	1A	229		115	18956	3229
TREE	382207.92	-1215803.87	1A	189		75	19201	3259
TRMSN POLE	382313.18	-1215813.92	1A	232		118	31222	4407
TRMSN TWR	382322.06	-1215809.79	1A	243		129	32058	5056
TRMSN TWR	382328.64	-1215804.25	1A	251		137	32755	5537
GROUND	382234.01	-1215858.16	1A	295		181	25155	5867
TREE	382234.90	-1215901.06	1A	402		288	25251	6095
BUSH	382208.93	-1215909.44	1A	357		243	23151	7313
OL ON POLE	382236.29	-1215918.04	1A	665		551	25411	7451
TREE	382243.18	-1215921.14	1A	557		443	25923	7731
TREE	382300.25	-1215918.47	1A	460		346	27212	7870
TREE	382145.24	-1215903.11	1A	320		206	21433	8128
CHY ON BLDG	382213.08	-1215927.26	1A	452		338	23808	8522
TREE	382215.14	-1215928.22	1A	465		351	23937	8540
TREE	382326.82	-1215911.55	1A	488		374	29042	8624
TREE	382150.65	-1215919.06	1A	407		293	22235	8846
TREE	382315.81	-1215934.51	1A	768		654	27848	9641





TOUCHDOWN ZONE	
RUNWAY ELEVATION	
2	114
20	114

NUT TREE AIRPORT  
 VACAVILLE, CALIFORNIA  
 (NOT TO SCALE)  
 (ELEVATIONS AND DISTANCES IN FEET)